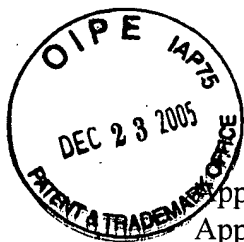


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph Johnson
Application No. : 10/681,918
Filed : 10/09/2003
Title : Positive Airway Pressure Alarm
System
Art Unit : 7734
Examiner : Navin Natnithithada

I certify that on December 20, 2005, the enclosed Response After Final Office Action is being mailed by first class mail with sufficient postage addressed to:

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Marcia Devon, Registration No. 31947

RESPONSE AFTER FINAL OFFICE ACTION

Please cancel claims 23 and amend claim 1 and 24 as follows:

1. (Twice Amended) A system for monitoring and regulating air flow to a patient adapted to supply positive airway pressure to a patient mask during treatment of a sleep disorder, comprising:

a CPAP generator for providing variable airway pressure;

a first sensor for monitoring air flow channeled to the patient from said CPAP generator for generating first and second air flow rate detection signals representing the airflow to the mask and from the mask, respectively;

a second sensor for measuring pressure in the air flow, said second sensor detecting a change in pressure at a selected place in said system, said second sensor generating a pressure detection signal upon detection of the change in pressure;

a controller unit responsive to said first and second air flow rate detection signals said controller unit having means for interpreting, storing and comparing said first, second and pressure detection signals and to provide an outgoing alarm signal when the first air flow signals increases, the second air flow signal decreases and the pressure detection signal decreases;